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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants	Perez et al.	Examiner:	Unassigned
Serial No.:	10/577,000	Group Art Unit:	1653
Confirmation No:	5827	Docket:	976-31 PCT/US
Filed:	April 21, 2006	Dated:	August 6, 2007
For:	Method of antigen incorporation into Neisseria bacterial outer membrane vesicles and resulting vaccine formulations		

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

*I hereby certify this correspondence is being deposited
with the United States Postal Service as first class mail,
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Commissioner for Patents, P.O. Box 1450,
Alexandria, Virginia 22313-1450
on August 6, 2007*

Signed: _____

INFORMATION DISCLOSURE STATEMENT

Sir:

In order to fulfill the requirements of candor and good faith set forth in 37 C.F.R.
§1.56, Applicants submit herewith the following Information Disclosure Statement in
accordance with the provisions of 37 C.F.R. §1.97 and §1.98.

UNITED STATES PATENT PUBLICATIONS

<u>PATENTEE</u>	<u>PUBLICATION NO.</u>	<u>PUBLICATION DATE</u>
Zollinger et al.	2003/0059444	3/27/2003

FOREIGN PATENT DOCUMENTS

<u>COUNTRY</u>	<u>PUBLICATION NO.</u>	<u>PUBLICATION DATE</u>
WO	WO 03/051379	6/26/2003
EP	EP 1 297 844 A2	4/2/2003
WO	WO 01/91788	12/6/2001
WO	WO 01/09350	2/8/2001
WO	WO 00/66791	11/9/2000

NON PATENT PUBLICATIONS

1. DATABASE UniProt 'Online! "Putative periplasmic protein" October 1, 2000, XP002331525, retrieved from EBI accession no. UNIPROT: Q9JQZ2, Database accession no. Q9JQZ2.

2. DATABASE EMBL 'Online! "Neisseria meningitides serogroup A strain Z2491 complete genome; segment 4/7" March 30, 2000, XP002331526, retrieved from EBI accession no. EM PRO: NMA4Z2491.

3. DATABASE UniProt 'Online! "Hypothetical protein NMB1125 (Hypothetical protein NMB1163)" XP002331527, retrieved from EBI accession no. UNIPROT:Q7DDH5.

4. Sardinas, G. et al., "Anti-PorA Antibodies Elicited by Immunization with Peptides Conjugated to P64k", *Biochemical and Biophysical Research Communications* 277, pp. 51-54, August 2000.

5. Saunders, N. et al., "Immunogenicity of Intranasally Administered Meningococcal Native Outer Membrane Vesicles in Mice" *Infection and Immunity*, Vol. 67, No. 1, pp. 113-119, Jan. 1999.
6. Jin, Z. et al., "Preparation and Characterization of Group A Meningococcal Capsular Polysaccharide Conjugates and Evaluation of Their Immunogenicity in Mice", *Infection and Immunity*, Vol. 71, No. 9, pp. 5115-5120, Sept. 2003.
7. Alvarez, G. et al. "Cloning and Expression of the porA Gene of the Neisseria meningitides...", *Acta Biotechnol* 16, 2-3, 165-173, 1996.
8. Carmenate, T. et al., "Effect of conjugation methodology on the immunogenicity and protective efficacy of meningococcal group C polysaccharide-P64K protein conjugates", *FEMA Immunology and Medical Microbiology*, 40, pp. 193-199, 2004.
9. Hermida, L. et al., "A dengue-2 Envelope fragment inserted within the structure of the P64k meningococcal protein carrier enables..." *Journal of Virological Methods*, 115, pp. 41-49, 2004.

Copies of the references set forth above are enclosed herewith and a separate listing of the same has been set forth on the attached Form PTO-1449. The Examiner is respectfully requested to consider these references, and to indicate that he or she has done so by initialing the enclosed Form PTO-1449.

This Statement is being filed before the mailing of a first Office Action on the merits. Applicant believes that no fee for this submission is due. If, however, a fee is due for entry of this Information Disclosure Statement, the Office is authorized to charge Deposit Account No. 08-2461 for any such fee.

Applicants are not aware of any other references to be identified at this time. If the Examiner has any questions or comments relating to the present application, he or she is respectfully invited to contact Applicants' representative at the telephone number set forth below.

Respectfully submitted,



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FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE
(Rev. 2-32) PATENT AND TRADEMARK OFFICEATTY. DOCKET NO.
976-31 PCT/USSERIAL NO.
10/577,000INFORMATION DISCLOSURE
STATEMENT BY APPLICANTAPPLICANT
Perez et al.CONFIRMATION NO.
5827

(Use several sheets if necessary)

FILING DATE
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U.S. PATENT PUBLICATIONS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE
	2003/0059444	3/27/2003	Zollinger et al.			Nov. 15, 1996

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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						YES	NO
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	WO 01/09350	2/8/2001	WO				
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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EXAMINER

DATE CONSIDERED

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication with applicant.

FORM PTO-1449 U.S. DEPARTMENT OF COMMERCE (Rev. 2-32) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 976-31 PCT/US	SERIAL NO. 10/577,000
	APPLICANT Perez et al.	CONFIRMATION NO. 5827
	FILING DATE April 21, 2006	GROUP 1653

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			DATABASE UniProt 'Online! "Hypothetical protein NMB1125 (Hypothetical protein NMB1163)" XP002331527, retrieved from EBI accession no. UNIPROT:Q7DDH5.
			Sardinas, G. et al., "Anti-PorA Antibodies Elicited by Immunization with Peptides Conjugated to P64k", <i>Biochemical and Biophysical Research Communications</i> 277, pp. 51-54, August 2000.
			Saunders, N. et al., "Immunogenicity of Intranasally Administered Meningococcal Native Outer Membrane Vesicles in Mice" <i>Infection and Immunity</i> , Vol. 67, No. 1, pp. 113-119, Jan. 1999.
			Jin, Z. et al., "Preparation and Characterization of Group A Meningococcal Capsular Polysaccharide Conjugates and Evaluation of Their Immunogenicity in Mice", <i>Infection and Immunity</i> , Vol. 71, No. 9, pp. 5115-5120, Sept. 2003.
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							YES	NO

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			Carmenate, T. et al., "Effect of conjugation methodology on the immunogenicity and protective efficacy of meningococcal group C polysaccharide-P64K protein conjugates", <i>FEMA Immunology and Medical Microbiology</i> , 40, pp. 193-199, 2004.
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